

## REMOTE MONITORING DIAGNOSTICS

### ABSTRACT

A system for remotely monitoring operations of an HVAC system such as a chiller system having a control center, or a rooftop unit. The system utilizes a remote monitoring unit (RMU) located on-site. The RMU is in one-way communication with the component of the air conditioning system and receives data indicative of the operation of the component and determines whether the component is operating outside the normal operating parameters. When the RMU determines, from the data, that there is a problem that is within a critical parameter range, then a critical alarm is generated and the RMU opens a line of communication with a remote monitoring diagnostics device (RMD) located at the facility of the HVAC or refrigeration manufacturer and downloads the information to the RMD which determines whether remedial action is required and initiates remedial action if required.